CLAIMS

1.   The apparatus comprising:

a first circuit configured to present a first portion of an output data stream in response to a first portion of an input data stream; and

5   a second circuit configured to present a second portion of said output data stream in response to a second portion of said input data stream, wherein said apparatus is configured to perform color and gamma correction on said input data stream to generate said output data stream in response to one or more control signals.

2.   The apparatus according to claim 1, wherein said apparatus comprises a block move engine (BME).

3.   The apparatus according to claim 1, wherein said first circuit comprises a delay circuit.

4.   The apparatus according to claim 1, wherein said second circuit comprises a correction circuit.

5.   The apparatus according to claim 4, wherein said second circuit comprises:

a color corrector circuit configured to generate a first intermediate signal in response to said second portion of said input data stream;

a gamma corrector circuit configured to generate a second intermediate signal in response to said first intermediate signal; and

a multiplexer configured to present either said first intermediate signal or said second intermediate signal in response to said control signals.

6.   The apparatus according to claim 1, wherein said control signals comprise:

one or more coefficient signals.

7.   The apparatus according to claim 1, wherein said control signals comprise:

one or more offset signals.

8. The apparatus according to claim 1, wherein said control signal comprises:

one or more enable signals.

9. The apparatus according to claim 1, wherein said input data stream comprises video and graphics data.

10. The apparatus according to claim 2, wherein said BME comprises a block modify and move engine (BMME).

11. The apparatus according to claim 2, wherein said BME is further configured to perform color and gamma conversion.

12. An apparatus comprising:

means for generating a first portion of an output data stream in response to a first portion of an input data stream; and

means for generating a second portion of said output data stream in response to a second portion of said input data stream, wherein said apparatus is configured to perform color and gamma correction on said input data stream to generate said output data stream in response to one or more control signals.

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13. A method for providing color and gamma conversion, comprising the steps of:

(A) generating a first portion of an output data stream in response to a first portion of an input data stream; and

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(B) generating a second portion of said output data stream in response to a second portion of said input data stream, wherein said method performs color and gamma correction on said input data stream to generate said output data stream in response to one or more control signals.

14. The method according to claim 13, wherein step (A) further comprises:

delaying a first portion of said input data stream; and

correcting a second portion of said input data stream.

15. The method according to claim 14, wherein step (A) further comprises:

color correcting said second portion of said input data stream;

5   gamma correcting said second portion of said input data

stream; and

bypassing said gamma correcting step.

16.   The method according to claim 13, wherein said

control signals comprise:

one or more coefficient signals.

17.   The method according to claim 13, wherein said

control signals comprise:

one or more offset signals.

18.   The method according to claim 13, wherein said

control signal comprises:

one or more enable signals.

19.   The method according to claim 13, wherein said input

data stream comprises video and graphics data.

20.   A block modify and move engine (BMME) configured to

perform the steps of claim 13.